Electric wall-grooving machine (Wall Chaser)
ZSH-P45-2100 PVTK  ZSH-P65-2600 PVSTK
Dear customer!

When purchasing a product:

- Require verification of its serviceability by trial activation, as well as completeness of its parts according to the delivery set;
- Make sure that the warranty card is properly issued and contains the product's serial number, date of sale, store stamp, and seller's signature.

Before you turn on the product for the first time, carefully read this instruction manual and strictly follow its requirements. This is the only way you can learn how to handle the product correctly and avoid mistakes and dangerous situations. Keep this manual for the entire service life of your product.

Remember! The product is a source of increased traumatic danger.

ATTENTION
CONTINUE READING THE MANUAL AND DO NOT START WORKING WITH THE PRODUCT UNTIL YOU HAVE READ THESE WARNINGS

Do not install a replacement disc made of other material than diamond (or cutting tools of other type than disc) on the product, do not install diamond disc that does not match the specifications of the product.

The product is NOT intended for wet cutting. IN ANY CASE DO NOT use water to wet the discs or working surfaces.

During operation, some parts of the product are heated up. Do not touch them at the end of the work until they have cooled down completely.

Do not brake or touch the disc by hand during its rotation or until it comes to a complete standstill after it has been switched off.

Always use the supplied additional handle when working. Working without the supplied additional handle is NOT permitted.

To prevent damage, do not overload the product during operation.

Security measures

DO NOT install discs on the product other than the recommended ones (saw discs, sharpening discs; discs with incorrect outside or landing diameters; discs that do not match the rotation speed)

DO NOT install any other accessories on the product than the supplied ones (covers, additional handles, etc.)

Always wear personal protective equipment (mask, headgear, respirator), especially when working with dusty materials.

Protect yourself from hot particles coming out from under the disc. Always correctly orient the cover to prevent hot particles from getting on you, clothing and flammable materials.

The product with a spinning or stopping disc has an increased lateral torque. Do not let it out of your hands when starting or stopping the disc until the disc has stopped completely.

The product is not intended for use with coolant supply to the chasing/grinding site.

Do not press the disc lock button while the spindle is rotating and until the spindle stops completely.

During operation, the replacement disc becomes very hot. Wait for it to cool down before replacing it at the end of operation.
List of components

1. Additional handle
2. Chasing depth limiter screw
3. Main handle turn lock
4. Cutting disc
5. Housing mounting screw(s)
6. Brush holder cover
7. Switch key
8. Dustpipe outlet
9. Roller wheel
10. Spindle lock button
11. Pressure flange
12. Set washer
13. Imbus spanner
14. Main handle

Wall chaser

Package bundle

| Additional handle | Special wrench | Imbus spanner | Flanges |

Instruction manual

1. Discs installation
2. Installation of additional handle

3. Adjustment of the main handle position

4. Adjustment of cutting depth

5. Dust removal organization

6. Turning the product on

0 → I
7. Working with the product

8. Turning the product off

9. Replacement of carbon brushes
Specifications

<table>
<thead>
<tr>
<th>Parameter</th>
<th>ZSH-P45-2100 PVTK</th>
<th>ZSH-P65-2600 PVSTK</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supply voltage, V</td>
<td>~220 ± 10%</td>
<td>~220 ± 10%</td>
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<tr>
<td>Current frequency, Hz</td>
<td>50</td>
<td>50</td>
</tr>
<tr>
<td>Maximum power consumption, W</td>
<td>2100</td>
<td>2600</td>
</tr>
<tr>
<td>Frequency of idling rotation, rpm</td>
<td>8000</td>
<td>6000</td>
</tr>
<tr>
<td>Cutting disc diameter, mm</td>
<td>180</td>
<td>230</td>
</tr>
<tr>
<td>Landing disc diameter, mm</td>
<td>22.2</td>
<td>22.2</td>
</tr>
<tr>
<td>Wall chasing depth, mm</td>
<td>0–45</td>
<td>20–65</td>
</tr>
<tr>
<td>Groove width, mm</td>
<td>4.3–35</td>
<td>4.3–40</td>
</tr>
<tr>
<td>Wall chasing width setting step, mm</td>
<td>4.3</td>
<td>4.3</td>
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<tr>
<td>Soft start</td>
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<td>yes</td>
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<tr>
<td>Constant electronics</td>
<td>—</td>
<td>yes</td>
</tr>
<tr>
<td>Overload protection</td>
<td>—</td>
<td>yes</td>
</tr>
<tr>
<td>Dust protection</td>
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<td>yes</td>
</tr>
<tr>
<td>Sound power level (K&lt;3 dB), dB</td>
<td>114</td>
<td>115</td>
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<tr>
<td>Sound pressure level (K&lt;3 dB), dB</td>
<td>104</td>
<td>105</td>
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<td>RMS vibration acceleration (K&lt;1.5), m/s2</td>
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<tr>
<td>Safety class according to GOST 12.2.007.0-81</td>
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<td>11</td>
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<tr>
<td>Product weight, kg</td>
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<td>10</td>
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<tr>
<td>Package weight, kg</td>
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<td>14</td>
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<tr>
<td>Assigned service life, years</td>
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<td>5</td>
</tr>
<tr>
<td>Assigned retention period, in *years</td>
<td>7</td>
<td>7</td>
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</table>

Contents of delivery

<table>
<thead>
<tr>
<th>Item</th>
<th>1 pc.</th>
<th>1 pc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wall chaser</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Case</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Imbus key</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pressure washer</td>
<td>2 pcs</td>
<td>2 pcs</td>
</tr>
<tr>
<td>Set washer</td>
<td>7 pcs</td>
<td>8 pcs</td>
</tr>
<tr>
<td>Tightening key</td>
<td>1 pc.</td>
<td>1 pc.</td>
</tr>
<tr>
<td>Additional Handle</td>
<td>1 pc.</td>
<td>1 pc.</td>
</tr>
<tr>
<td>Safety instruction</td>
<td>1 copy</td>
<td>1 copy</td>
</tr>
<tr>
<td>Instruction manual</td>
<td>1 copy</td>
<td>1 copy</td>
</tr>
</tbody>
</table>

* Designated storage period (the period from the date of manufacture to the sale of the tool to the user)

ATTENTION

Check for damage to the product and accessories that may have occurred during transportation.
Adjusting position of the main handle (Fig.3)
The product is equipped with a rotating main
handle that provides a comfortable natural grip
at any position of the product.
To change the position of the handle, press the
button 3 and, without releasing it, turn the handle
15 around the longitudinal axis to the desired
position (left/right in 90° increments). Release the
button 3.

Adjusting the cutting depth (Fig.4)
To set the required depth, release the limiting
screw 2 and adjust the angle of the product
relative to its cover to set the desired cutting depth
H. Fix the depth by tightening the screw 2.

Organization of dust removal (Fig.5)
Connect the vacuum cleaner hose to pipe 8.
The diameter of the connecting pipe must be 36
mm.
Get ready for work:
■ make sure that the discs are properly installed,
securely fastened, and that you have removed any
foreign objects from the moving parts of the
product;
■ mark the lines of the future cut on the required
surface;
■ prepare (if necessary) a dust removal device
(such as a vacuum cleaner);
■ wear personal protective equipment: glasses,
headgear, and a respirator.

Operating procedure

Turning on the product (Fig.6)
Connect the product to the electrical network.
ATTENTION
Before connecting the product to the mains, MAKE SURE that the switch is
in the off position.
Turn on the product by sliding the switch
tab forward and pressing the 7 key.
NOTE! Because of the soft start system, the
spindle of the product is unwound gradually.
Wait for the full cranking of the discs.
The product is locking the switch in the on
position. To lock the switch, slide the 7 key
forward and press the front part of the key
until it locks.

Operating the product (Fig.7)
Install the product (at the beginning of the cut line)
with the roller 9 on the surface to be processed so
that the discs do not touch the surface. Gently tilt
the product, digging the discs into the surface
to the desired cutting depth or to the stop of
the limiter.
Start to smoothly guide the product along the
cutting line towards you.

ATTENTION
The product is not intended for wet cutting. IN ANY CASE DO NOT use water to
wet the discs or surfaces.
NOTE! When working with the product, keep an
eye on the engine speed. A 20% or more drop in
rpm indicates an overload. In this case, it is
necessary to reduce the load or feed force of the
product.
The product is equipped with an overload
protection system. During operation, if an overload
occurs (for example, when the discs are jammed),
the product reduces the speed. In this case, IMMEDIATELY
eliminate the cause of the
overload (change the way you work, reduce the
pressure on the product).

ATTENTION
After removing the cause of the jam, when the 7
key is turned on, the engine will start
automatically.

ATTENTION
If the discs are jammed, turn off the product
with the switch and disconnect it from the
mains. Then remove the jammed disks. Do not
attempt to remove jammed discs by turning on
the product.

Turning off the product (Fig.8)
When you finished working, turn off the product by
releasing the switch key 7. After turning off the
product, the discs continue to rotate for a while.
Do not place the product on the support surface,
wait for the discs to stop completely.

ATTENTION
When working, the discs became very hot - do not
touch them immediately after you finish
working and until they cool down completely.

Operating recommendations

Make sure that your mains voltage matches the
product's rated voltage.
Only connect the product to the mains when you
are ready to use it.
Before using the product for the first time, turn it
on without any load and let it run for 10 to 20
seconds. If at this time you hear extraneous noise,
feel an increased vibration or smell of burning,
turn off the product, disconnect the power cord
from the mains and determine the cause of this
phenomenon. Do not turn on the product before
the cause of the problem is found and resolved.

Wall chaser

Periodical maintenance

ATTENTION
Periodic maintenance should be performed
when the cable is disconnected from the
mains.
Replacing carbon brushes (Fig.9)
During operation, the graphite brushes of the
electric motor must be replaced periodically (as
they wear out). To replace the brushes:
■ disconnect the product from the mains;
■ use a screwdriver to Unscrew the brush holder
cover 6 and remove it;
■ remove the worn brush and insert a new one;
■ install the cover of the brush holder in place;
■ perform similar operations with another brush.
When cutting concrete, abrasive and conductive
particles may accumulate inside the product body.
To prevent damage to the product and electric
shock, periodically (if possible, often) carefully
blow the product body through the air intake holes
(in the back of the case). For purging, use the
vacuum cleaner's output stream or a compressed
air source (for example, a compressor) with an
output flow pressure of no more than 2 atm.

ATTENTION
DO NOT INSTALL other discs (abrasive, flap,
saw, polishing, etc.) on the product. Do not
use discs that do not meet the specifications of
this product (in particular, in diameter or
speed). Do not use a tool that is severely worn
or has visible mechanical damage (chips,
cracks, delaminations).

Use personal protective equipment (glasses,
respirator) - during the cutting process, concrete
dust is released in large quantities.
When using the product, place the mains cable
outside the work area.
The working product (in contact with the surface)
transmits force to the operator along the
longitudinal axis of the product in the direction
from the operator. When working, hold the product
firmly with both hands. Take a steady body
position and always keep your balance.
Do not use excessive force when working with the
product. This will not speed up the work process,
but it may reduce the quality and service life of the
product.
To avoid overheating, take enough breaks to cool
down the product.
Do not cover the air intake openings of the
product.
In case of "sticking" of the disc, in order to avoid
damage to the product, DO NOT USE force
methods to turn away the pressure flange.
Contact the service center.
Check the status of the mains cable regularly. Do not allow insulation damage, contamination with aggressive and conductive substances, excessive pulling and bending loads.

**ATTENTION**

The damaged cable must be replaced immediately at the service center.

Turn off the product from the mains as soon as it is finished.

Turn off the product only with switch 7. Do not turn it off by simply unplugging the cable from the mains (removing the plug from the outlet).

**Maintenance**

Periodically clean the product body, cable, and air vents from dirt and dust.

Replace the graphite brushes of the motor periodically (as they wear out) in accordance with the section "periodic maintenance".

The product does not require any other special maintenance.

All other work, including repairs, must be carried out only by qualified service center specialists, using original ZUBR spare parts.

Make sure that the product is always in good condition.

In case of suspicious odors, smoke, fire, sparks, turn off the product, disconnect it from the mains and contact a specialized service center.

If the product appears to be defective, stop using it immediately.

Due to the technical complexity of the product, the limit state criteria cannot be determined by the user independently. If there is an obvious or suspected problem, refer to the section "Troubleshooting". If the problem is not listed or you are unable to fix it, contact a specialized service center. The service center issues an opinion on the limit state of the product or its parts in the form of a corresponding Act.

**Safety Instructions**

Before any Assembly/adjustment actions, disconnect the product from the mains and wait for the discs to stop rotating.

Before starting work, inspect and visually check the product, cable, and cutting discs for visible mechanical damage.

The product is not intended for wet cutting. **IN ANY CASE DO NOT** use water to wet the discs or surfaces.

Do not install any replacement tools on the product other than diamond discs (including other types of discs), or those that do not match the characteristics of this product.

Always use the supplied additional handle when performing work. Operation without an additional handle is PROHIBITED.

Before connecting the product to the network, **MAKE SURE** that the switch is in the off position.

Before cutting concrete, make sure that there are no hidden wiring or pipes in the cut areas.

When working, the discs get very hot - do not touch them immediately after they stop and until they cool down completely.

Do not cover the air intake openings of the product.

Do not touch the moving parts of the product (under the covers).

Use only serviceable cutting discs.

**IN ANY CASE, DO NOT** use discs with visible mechanical damage.

After turning off the product, the discs continue to rotate for a while. Do not put the product down, wait for the discs to stop completely.

When working in conditions such as dust, vibration, or high noise levels, use personal protective equipment and limit the total (per shift) time spent working with the product.

**Basic warranty**

The warranty period is 6 months from the date of sale.

**Warranty obligations**

We constantly care about improving the quality of service to our customers, so if you have any complaints about the quality and timing of warranty repairs, please report it to the 3Y6P support service by e-mail cs@kraftool.hk. This warranty does not limit the buyer's right to claims arising from the contract of sale, and does not limit the legal rights of consumers.

We provide a guarantee for 3Y6P tools under the following conditions:

1) The Warranty is provided in accordance with the following conditions by free troubleshooting of the tool during the established warranty period, which is proved to be caused by defects in material or workmanship.

2) The Warranty period begins from the date of purchase of the instrument by the first owner.

3) The warranty Period and conditions depend on the series and article of the instrument, please read the warranty terms carefully at the time of purchase.

**ATTENTION**

The product does not require any other special maintenance.

The Warranty is provided in accordance with the following conditions: We provide a guarantee for 3Y6P tools under the following conditions:

3) The warranty Period and conditions depend on the series and article of the instrument, please read the warranty terms carefully at the time of purchase.

4) The Warranty does not apply to:

a) Parts subject to working and other types of wear, as well as tool failures caused by these types of wear. And also on the tool having full development of a resource, strong external or internal pollution.

b) Malfunctions of the tool caused by non-compliance with the operating Instructions or occurred as a result of the use of the tool for other purposes, during use in environmental conditions beyond those specified in the operating Instructions, improper production conditions, due to overload or insufficient, improper maintenance or care. The unconditional signs of overload of the product include, among others: the appearance of colors of fatigue, simultaneous failure of the rotor and stator, deformation or melting of parts and components of the product, darkening or charring of the motor wires under the influence of high temperature.

c) When using the product in conditions of high intensity of work and superheavy loads.

d) On preventive and maintenance of the tool, for example: lubrication, washing.

e) Tool Malfunctions due to the use of accessories, accessories and spare parts that are not original accessories/parts of 3Y6P company.

f) Mechanical damage (cracks, chips, etc.) and damage caused by aggressive media, high humidity and high temperatures, ingress of foreign objects into the vents of the tool, as well as damage caused by improper storage and corrosion of metal parts.

g) Accessories, wear parts and consumables that have failed due to normal wear, such as: drive belts, battery packs, barrels, guide rollers, protective covers, collars, cartridges, soles, saw chains, saw tires, sprockets, tires, carbon brushes, knives, saws, abrasives, drills, drills, fishing line for the trimmer, etc.

h) A tool in the design of which changes or additions have been made.

i) A slight deviation from the declared properties of the tool, which does not affect its value and the possibility of using it for its intended purpose.
5) Troubleshooting, recognized by us as a warranty case, is carried out at the choice of the KRAFTOOL company by repairing or replacing the faulty tool with a new one (possibly the next generation model). Replaced tools and parts become the property of the company.

6) Warranty claims are accepted within the warranty period. To do this, present or send the faulty tool to the service center specified in documentation (see the current list of service centers on the website kraftool.hk), attaching a completed warranty card confirming the date of purchase of the product and its name. A tool delivered to the dealer or service center in a partially or completely disassembled form is not covered by the warranty. The owner of the instrument bears all risks of transferring and forwarding the instrument to the dealer or service center.

7) Claims, other than the mentioned right to free repair of defects in the tool, are not covered by our warranty.

8) After the warranty repair under the extended warranty, the extended warranty period of the tool is not extended or renewed.

9) Regular maintenance is required for all power tools. The frequency of maintenance is equal to the service life of a set of carbon brushes.

10) The service life of the product is 5 years.

### POSSIBLE MALFUNCTIONS AND TROUBLESHOOTING

<table>
<thead>
<tr>
<th>Malfunction</th>
<th>Possible reason</th>
<th>Troubleshooting</th>
</tr>
</thead>
<tbody>
<tr>
<td>The product does not turn on</td>
<td>No mains voltage</td>
<td>Check the mains voltage</td>
</tr>
<tr>
<td></td>
<td>Total brush wear</td>
<td>Replace the brushes</td>
</tr>
<tr>
<td></td>
<td>The switch, motor, or other component is faulty</td>
<td>Contact the service center for repair or replacement</td>
</tr>
<tr>
<td></td>
<td>Jamming of the disc or shaft</td>
<td>Contact the service center for repair or replacement</td>
</tr>
<tr>
<td>The product is turned on, but the disks do not rotate</td>
<td>Pressure flange not tightened</td>
<td>Tighten the flange</td>
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<tr>
<td></td>
<td>Damage to the gear unit (cutting off pins or gear teeth)</td>
<td>Contact the service center for repairs</td>
</tr>
<tr>
<td>The product does not develop full speed or does not work at full capacity (determined by a strong drop in speed during operation)</td>
<td>Low mains voltage</td>
<td>Check the mains voltage</td>
</tr>
<tr>
<td></td>
<td>Total brush wear</td>
<td>Replace the brushes</td>
</tr>
<tr>
<td></td>
<td>Cutting discs blunted</td>
<td>Replace the discs</td>
</tr>
<tr>
<td></td>
<td>Burned winding or breakage in motor winding</td>
<td>Contact the service center for repairs</td>
</tr>
<tr>
<td></td>
<td>Malfunction of the electronic unit</td>
<td>Contact the service center for repairs</td>
</tr>
<tr>
<td>The spindle or disks stopped during working</td>
<td>No mains voltage</td>
<td>Check the mains voltage</td>
</tr>
<tr>
<td></td>
<td>Overload protection triggered</td>
<td></td>
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<tr>
<td></td>
<td>Jammed discs in the material (blunted discs, too high feed speed)</td>
<td>Replace the discs, reduce the feed rate</td>
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<tr>
<td></td>
<td>Rotating discs (if the flange is not fully tightened, or if the grease gets under the flanges)</td>
<td>Tighten the flange and clean the contact surfaces</td>
</tr>
<tr>
<td></td>
<td>Total brush wear</td>
<td>Replace the brushes</td>
</tr>
<tr>
<td></td>
<td>Malfunction of the electronic unit or engine</td>
<td>Contact the service center for repairs</td>
</tr>
<tr>
<td></td>
<td>Gearbox jamming</td>
<td>Contact the service center for repairs</td>
</tr>
<tr>
<td>The product overheats</td>
<td>Intensive work mode, work with maximum load</td>
<td>Change the operating mode, reduce the load</td>
</tr>
<tr>
<td></td>
<td>High ambient temperature, poor ventilation, clogged air vents</td>
<td>Take measures to reduce the temperature, improve ventilation, and clean the air vents</td>
</tr>
<tr>
<td></td>
<td>Lack of lubrication, damage to the gearbox</td>
<td>Contact the service center for repairs</td>
</tr>
<tr>
<td></td>
<td>Burned winding or breakage in the winding</td>
<td>Contact the service center for repairs</td>
</tr>
</tbody>
</table>